

# Georgy Lukyanov

## Curriculum Vitae

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### Education

- Since 2017 **PhD Student in EEE**, *Newcastle University*, UK.  
2015–2017 **M.Sc. in Computer Science**, *Southern Federal University*, Russia.  
2011–2015 **B.Sc. in Applied Mathematics**, *Southern Federal University*, Russia.

### Research interests

Formal methods, programming languages theory, functional programming, effectful programming.

### Publications

1. *Lukyanov G., Mokhov A.* Towards a Coq Formalisation of Build Systems. — URL: <https://popl19.sigplan.org/event/coqpl-2019-towards-a-coq-formalisation-of-build-systems>.
2. *Lukyanov G., Mokhov A.* Concurrency Oracles for Free // Proceedings of the International Workshop on Algorithms & Theories for the Analysis of Event Data 2018, Bratislava, Slovakia, June 25, 2018. — 2018. — Pp. 112–127. — URL: <http://ceur-ws.org/Vol-2115/ATAED2018-112-127.pdf>.
3. *Lukyanov G., Pelenitsin A.* Functional parser of markdown language based on monad combining and monoidal source stream representation // Communications in Computer and Information Science. — 2018. — Vol. 779. — Pp. 90–101. — DOI: 10.1007/978-3-319-71734-0\_8.
4. Prototyping Resilient Processing Cores in Workcraft / G. Lukyanov, A. de Gennaro, A. Mokhov, P. Stankaitis, M. Rykunov // 2nd International Workshop on Resiliency in Embedded Electronic Systems. — SwissTech Convention Center, Lausanne, Switzerland, 2017.
5. Language and Hardware Acceleration Backend for Graph Processing / A. Mokhov, A. de Gennaro, G. Tarawneh, J. Wray, G. Lukyanov, S. Mileiko, J. Scott, A. Yakovlev, A. Brown // In proceedings of FDL 2017 conference. — 2017.

### Experience

- October 2017– Present **Teaching Assistant**, *Newcastle University*.  
Practical sessions on C programming.
- June 2015– June 2017 **Software Engineer**, *Statzilla*, Rostov-on-Don, Russia.  
Machine learning, statistics and digital signal processing. Web programming.
- Sep 2015– Dec 2015 **Teaching Assistant**, *Southern Federal University*, Rostov-on-Don, Russia.  
Teaching “Functional Programming in Haskell” labs with occasional lecturing.

### Qualifications

#### Programming languages

Haskell, R, JavaScript, C, Idris, Coq.

#### Spoken languages

*English*: C1 according to CEFR, IELTS overall band score: 8.0.

*Russian*: native.